Previous references

191[illegible]

(Sanitary)

File No. 2-13

Serial Nos. 7— 13 [illegible]

Later references.

S.H. 41-1480: 3-4

Sany 55-14. B.S. 7-10. 11 H2 June 1915.

Sany 25-15 B 3 [illegible] B Septr 1915

62-168 / B Nov. 1916

GENERAL AND REVENUE SECRETARIAT.

Serial Nos. 7- 13 [illegible]

Part B. for November 1914

SUBJECT

Grant of Scholarships for the Study of Sanitary Science

36 (1)

1. From the Sanitary Comm.r. no 4184 dy 31/3/14. States that b[illegible] men qualified in Sanitary Science are needed to meet the immediate need of the Sanitary department

2. From do. no 4476 dy 17/4/14 States what as the course of instructions for the D.Sc. Degree has been organized, the four candidates to whom here

G. R. S. 58

GPB—4,000—4-7-11

recommended the grant of scholarships may be deputed for training at Bombay

Sl 9 Do the Sanitary Comr no 11446 dt 16/5/14 Requests him to specify the four candidates who may be granted scholarships for the study of San Sce

Sl 10. From the San Comr. no 5040 dt 23/5/14 ~~dt~~ Gives the names of the four candidates as called for in Serial 9

Sl 11 From do no 5527 dt 19/6/14, States that of the 4 Candidates to whom the grant of scholarships for the study of Sanitary Science was recommended 2 may be sent to Bombay for B.Sc degree examn and the other two to Madras for the study of B.Sc degree

Do no 103 dt 24/6/14 from the Sanitary Comr forwards the syllabus for B.Sc examination

Sl 12 To do Senior Surgeon, & Comptroller no 9-11 dt 1/7/14. Sanctions the grant of 2 scholarships of Rs 40/- each per mensem for 2 months from July 14 to students P.R. Subba Rao and M. Varadiengar of 1st class Sub Assts Surgeon for undergoing training for the B.Sc examn at Madras.

Sl 13. From the San Comr. no 648 dt 3/7/14 Submits for approval the form of covenant he would recommend for use by the candida

~~Last~~ 6911

2

G. R. S. 12]

General and Revenue Secretariat.

Form File No. 2 of 1913-14

Serial No.	
	Bombay for the study of sanitary science. Grant of scholarships to two of the candidates already undergoing training is under consideration of Govt.
	22.4.14 ~~Submitted~~ 23/4
	~~Submitted~~ 2.5.14
	~~A draft for letter on the other file~~
5	A draft reply vide 2-5-14 ~~is~~ required
	2 Appx
	Some enquiries being made on the file
	11/5
9	To the Sanitary Commissioner, No 11446 dt 16-5-14 Requesting him to specify the four candidates who may be granted scholarships for the ... Sanitary Science.
10	From the Sanitary Commissioner, No S/1408/23 5/14 Informing the names of the four candidates ... for in serial No 9.
	File re: Grant of scholarships to two Candidates already undergoing training for the B.Sc degree at Bombay was submitted to the Dewan on 25.6.14 × Submitted for orders.
	29.5.14 10 The Sanl Branch agreed to these two Scholarships

NOTE Contn. sheet.

G.P.B.—60,000—7-11-13

(G. R. S. 12]

6911

General and Revenue Secretariat.

Sun File No. 2 of 1913-14

Serial No.

11 Nurses form add[l] Scholarships are also necessary in order that we may have the full Complement of Dist Sanit[y] Officers & also a few men in reserve.

12 In favour of opinion Budget provision has to be obtained

Hm 11)

Hm 2/6. Rec'd 9/6

Subd

13 A lump sum of Rs 10,000 has been provided in the list of additional items considered at the time of budget discussion, on account of some proposals one of which is Rs 3620 for scholarship to 4 students to study sanitary science.

9/6/14.

Submitted

15.6.14

14 Await return of main file

15/6

NOTE—Contn. sheet.

G.P.B.—60,000—7-11-13

G. R. S. 12]

7481

5

General and Revenue Secretariat.

Sam File No. 2 of 1913-14

Serial No.

11 1. From the Sanitary Commissioner No 5527/8/13 dt 14/6/14 states that of the 4 Candidates to whom the grant of scholarships for the study of Sanitary Science was recommended 2 may be sent to Bombay for the study of B. Hy degree examination and the other two to Madras for the study of B.S.Sc degree.

2. As stated by Branch II there is a provision of Rs 3420/- in the next years budget to meet the scholarship and other charges for only 4 students to study Sanitary Science.

The Sanitary Commr has already recommended the grant of scholarships to two students who are already undergoing training for B. Hy degree at Bombay. If the above recommendation is sanctioned, only 2 more scholarships will be available during the next year. It is not possible to send any students to Madras, for the study of B.S.Sc ~~degree~~ examination as the Course commences from the 1st July next. Copy of the revised syllabus referred to in the letter under disposal has not been received.

Submitted for orders.

57
23.6.14

D.O. No 103 dated the 24th June 1914 from the Sanitary Commr. Forwards the syllabus for the B.S.Sc Examination.

Submitted.

57
25.6.14

Rec'd orders
Intimated vide
Ltr
24/6

NOTE—Contn. sheet.

GPB—60,000—7-11-13

G. R. S. 12]

7481

General and Revenue Secretariat.

San File No. 2 of 1913-14

Serial No.

Note is kept the Dewan

18 Four scholarships have been provided for in the next year's Sanitary Budget. Two of these scholarships have been recommended to 2 Nyasa Students already undergoing San[y] training in Bombay. Two more students will according to the latest report of the San[y] Com[r], have to be sent to Bombay at the beginning of the next Session i.e after the two candidates already recommended have finished their Course in Nov[r] 1914.

19 Now will there be only 2 Candidates at any one time in Bombay.

20 The other 2 available Scholarships may be granted to P. R. Subba Rao, & V. R. Varada Aiyangar who are licentiates of the Madras University and have therefore undergone the training prescribed by the Madras University from 1st January.

Sub[d] for orders

Sec[y]

Hon
26/6.

21 A draft sanctioning the proposals may be put up. Draft

Hon 26/6

submitted.

27.6.14

NOTE.—Contd. sheet.

GPB—60,000—7-11-13

G. R. S. 12]

7481

7

General and Revenue Secretariat.

Sun File No. 2 of 1913-14

Serial No.

Draft is put up

22 As the connected papers are before the Dewan, the office file of the Sanit Comr had to be obtained for reference in order to put up the draft.

Dor II has to the Consultg Engr 29/6.

Lee 4) Engr done 25/6

Dor II) Engr 29/6

Subd.

As already stated there is provision in the next year's budget for only 4 scholarships and not for 6. There is no objection to grant the 4 scholarships.

Dor 30/6

Subd draft is in the file Engr 30/6.

Lee 1) The draft order may be approved.

Second member

Dewan 30/6

Engr 30/6

approved

11/7 Dewan 11/7

Issue today Dewan

Engr 12

NOTE—Contn. sheet.

GPB—60,000—7-11-13

G. R. S. 12]

182

8

General and Revenue Secretariat.

San File No. 2 of 1913-14

Serial No.	
12	26 To the Sanitary Commissioner, Senior Surgeon & Comptroller, No. 9-11 dated 1.7.14 Sanctions the grant of a scholarship of Rs. 40/- each, per mensem, for 9 months from July 1914, to Messrs P.R. Subbarayan and M. Umadeviyamma 18th class Subassts. Surgeons for undergoing training for the B.S.C. Examination at Madras.
13	From the Sanitary Commissioner, No. 64 & 3.7.14 Submits for approval the form of Covenant he would recommend for use by the Candidates sent for training in Sanitary Science to qualify themselves as District Sanitary officers. In para 1 of the Covenant it is stated that the 18th class Subassistant Surgeon should on passing the required examination serve Govt. for a period of five years. The period fixed in the case of Subassistant Surgeons, in accordance with Govt. Proc. No. 13139-40 dated 27.6.14 Med 250-12 is seven years Submitted for orders as to whether the form of Covenant be approved. 5-7 8.7.14 The period of 5 years specified in the draft Covenant

NOTE—Contn. sheet.

GPB—10,000—13-6-14

Serial No.

is in accordance with the Sanitary Commissioner's recommendation in his letter dated 31/3/14.

31 Certain words, left out about the middle of the 3rd clause are indicated in pencil in the margin

32 The concluding portion of the same clause reads as if the Scholarship-holder was at liberty to refuse serving the Govt except as a District Sanitary Officer This is not consonant with the terms of the previous clause (2) ~~requiring him~~ which distinctly stipulates that he should continue as a 1st class Sub Assistant Surgeon till a District Sanitary Officer's place could be found for him The words in question therefore require alteration & I have made the same in pencil

33 The form of covenant ~~as~~ proposed by the Sanitary Commissioner may be approved with the above alterations, or it may be sent to the Govt.

NOTE—Contn. sheet.

GPB—10,000—13-6-14

Advocate. This last course does not however appear necessary as the form of covenant now proposed follows as closely as the difference in conditions permits the one framed by the Govt Advocate for adoption in the case of medical pupils holding scholarships.

N Mead Lauderdale
11/7/14

Dy Secy.)

34 The draft form of the bond with the additions suggested in pencil may be approved. It will be shown to the Govt Advocate before official orders are communicated to the Sanitary Commissioner

L
Extraordinary Member 11/7/14

Approve of the draft form of the Covenant with the pencil additions made therein being shown to the Govt Advocate before issuing official orders.

[illegible]
15.7.14.

Have perused unofficially with the Govt Advocate

L
15/7/14

NOTE—Contn. sheet.

GPB—10,000—13-6-14

G. R. S. 12]

182

11

General and Revenue Secretariat.

Gen File No. 2 of 1913-14

Serial No.

2012 D/17.7.14

Forwarded to the Govt Advocate for favour of opinion as to whether the form of covenant proposed by the Sanitary Commissioner may be approved with the pencil corrections made therein

A form of bond to be taken from the sureties may be kindly suggested also

[illegible]
for Secretary to Govt
G & R.D

16/7/14

N.O. 12

IV

The addition & alteration made in pencil are necessary. The stipulation in regard to the service to be rendered during the period of 5 years is brought out in the addition made in pencil on page 2. The words "if any" on page 1 are unnecessary & may be scored out & in other respects, the draft agreement is alright

[illegible]
Govt Advt

12/8/14

NOTE—Contn. sheet.

GPB—10,000—13-6-14

G. R. S. 12]

12

General and Revenue Secretariat.

Gen File No. 2 of 1913-14

Serial No.

The following draft Surety bond may be adopted.

Surety Bond.

Know all men by these presents that we A.B. & C.D.... (the Sureties) are bound jointly and severally to the Govt of H.H. the Maharaja of Mysore for the payment to them of the sum of Rs.... [Calculate probable amount & enter a lumpsum] - sealed with our respective seals this .... day ..... 1914.

Whereas by an agreement in writing under his hand of even date herewith but executed previously (1st class Sub-Assist Surgeon) contracted with the said Govt. to serve for a period of 5 years from the date of receiving the diploma in Sanitary Science subject to certain terms & conditions more fully set forth therein,

And whereas at the time of entering into the said agreement and on the faith thereof the said Sureties agreed to concur with the said 1st class Sub-

NOTE—Contn. sheet.

GPB—10,000—13-6-14

General and Revenue Secretariat.

File No. 2 of 1913-14

Serial No.

asstt Surgeon in the above written bond for the due performance & fulfilment of the said agreement by the said 1st Class Sub asstt Surgeon.

Now the Condition of the above written bond is that in the Event of the said 1st Class Sub asstt Surgeon abiding by the rules for the time being in force in respect of 1st Class Sub asstt Surgeons and of District Sanitary Officers and performing the Conditions of the agreement of even date herewith entered into by him with the said Govt then the above written bond shall be void Otherwise the same shall remain in force.

Signed sealed & delivered by)
the abovenamed Surgeon)
in the presence of)
1
2

B.S.G.

G. R. S. 12]

General and Revenue Secretariat.

Sm File No. 2 of 1913-14

17

Serial No.

11 Submitted for orders with draft.

S-7
19.8.14

~~Draft~~ may be approved

19/8/14

Secy)

12 May be signed & sent to Dewan

20/8/14

20/8

Dewan)

15 In the Smithsonian Institution, Asst. Secretary's Complaint, No 2168-S dated 27.8.14 Sm 2-13-15
Approval of the form of Covenant received from the Smithsonian with slight modifications suggested by the Asst. Secretary

Submitted as per direction in para 4 2 supra.

12.9.14

Dewan)

1585
12-9-14

Secy

16.11.14

R6 16/11

Dy

Po

NOTE—Contn. sheet.

GPB—10,000—13-6-14

D5641

No. 4184

Office of the Sanitary Commissioner
with the Government of Mysore,

Bangalore dated the 31st March 1914.

J. (Y) L-13-7

From

Rao Bahadur
T.V. Arumugam Mudaliar Esq.,
Sanitary Commissioner with the
Government of His Highness the
Maharaja of Mysore, Bangalore.

To

K.R. Srinivasa Iyengar Esq., M.A.,
Secretary to the Government of His
Highness the Maharaja of Mysore,
General & Revenue Departments,
B a n g a l o r e

Sir,

In reply to your letter No. 8639 Samy. 2-13-5 dated the 20th Instant, I have the honor to state that 6 qualified men are required to meet the immediate needs of the Department as under:

3 full-time District Sanitary Officers for Bangalore, Tumkur and Hassan Districts.

1 officer for the Vaccine Institute.

1 officer to relieve Mr. J.V. Karve whose services are lent from the Medical Department.

1 officer on the Reserve list.

2. Excluding the 2 students who have joined the B.Hy. degree class at Bombay and to whom I have recommended for the grant of scholarships this year the number of men that will have to be trained will be 4. I am asking the 5 1st Class Sub Assistant Surgeons who have expressed their willingness to undergo training to state whether they are prepared to execute agreements to serve the Government for a period of not less than 5 years after they are qualified. * On hearing from them I shall specify the 4 candidates who might be granted scholarships.

* Salary of Rs 150 rising To 250 Rs by annual increments of Rs 10.

W 1/4 Pr

191

From

The Sanitary Commissioner
in Mysore, Bangalore.

To

The Secry. to Govt.,
Gen. & Rev. Deptts.,
Bangalore.

Dated 3/.3./14.

Despatched

Received

General No. 4184
No.

Enclosure No. -

Furnishing information in connection with the proposed grant of scholarships to candidates for training in Sanitary Science.

GPB—50,000—26-9-12

3. As regards the source from which the scholarship to the two students who have joined the B.Ny. Class at Bombay can be met, please vide my letter No. 3912 dated the 18th instant.

I have the honor to be,
Sir,
Your most obedient servant,

Sanitary Commissioner.

P.H.

+1 b
see me

D 6021

Office of the Sanitary Commissioner
with the Government of Mysore,

Bangalore dated the 17th April 1914.

J.442-13-8

From

Rao Bahadur
T.V. Arumugam Mudaliar Esq.,
Sanitary Commissioner with the
Government of His Highness the
Maharaja of Mysore, Bangalore.

To

K.R. Srinivasa Iyengar Esq., M.A.,
Secretary to the Government of His
Highness the Maharaja of Mysore,
General & Revenue Departments,
B a n g a l o r e

Sir,

In continuation of my letter No. 4184 dated the 31st Ultimo, I have the honor to enclose for the information of Government copy of letter No. 1304 dated the 24th September 1913 from the Principal, Grant Medical College, Bombay and of letter No. 1334 dated the 9th Instant from the Executive Health Officer, Bombay and to recommend that as the course of instructions for the B.Hy. has been organised, the four candidates to whom I have recommended the grant of scholarships, may be deputed for training at Bombay instead of at Madras or at Bombay at their option.

I have the honor to be,

Sir,

Your most obedient servant ,

T.V. Arumugam

P.H. Sanitary Commissioner.

IV 1914 Pr

191

From

107 The Sanitary Commissioner
in Mysore
Bangalore

To

The Secretary to Govt
Genl & Ests Depts
Bangalore

Dated

Despatched

Received

General No. 4476
No.

Enclosure No. one

Recommending that the four Candidates to whom Scholarships for study in Sanitary Science have been recommended, may all of them be deputed for training at Bombay.

GPB—50,000—26-9-12

Letter No. 1304 dated the 24th September 1913 from the Principal, Grant Medical College, Bombay to the Sanitary Commissioner with the Govt. of Mysore.

With reference to your letter No. 1265 dated the 19th September 1913, I have the honor to state that the College fees for the B.Hy. courses is as follows:-

A compounding fee of Rs. 100/- for the four laboratory courses or a fee of Rs. 30/- for each course, if paid separately.

The University Examination fee is Rs. 75/-.

There are no prescribed text books.

As regards details of the course of study, please refer to the Bombay University Calendar, pages 178-180.

Letter No. 1334 dated the 9th April 1914 from the Executive Health Officer, Bombay to the Sanitary Comr.

-:::-

With reference to your letter dated the 6th March 1914, I have the honor to inform you that the students who are to qualify for the Degree of B.Hy. of the Bombay University have to do 6 months' out-door work under the Executive Health Officer here. If they attend the Sanitary Surveyors' Class from January to July that qualifies them. The fees are Rupees 150/- for the instruction plus 50 for the Examination. In addition to this, they will have to attend the course of instruction at the Infectious Diseases Hospital and the Laboratory work and instructions prescribed in the Syllabus to B.Hy.

---

64 5

GPB—1,000—13-4-14

G.R.S. 31]

GOVERNMENT OF H. H. THE MAHARAJA OF MYSORE.
GENERAL AND REVENUE SECRETARIAT.

No. 11446. / Gen 2-13-9

Dated Bangalore, 16.5. 191 4

FROM

D.V.Narasinga Rao Esquire, B.A.,B.L.,
Offg *Secretary to the Government of H. H. the Maharaja of Mysore,*
General and Revenue Departments.

To

Rao Bahadur T.V.Arumugam Mudaliar Esquire, M.B.,C.M.,
Sanitary Commissioner with the Government of
Mysore, Bangalore.

SIR,

In inviting reference to your letter No 418 dated the 21st March 1914, in the matter of the grant of scholarships for the stddy of sanitary science, I am directed to request you to be so good as to specify the four candidates who may be granted those scholarships.

I have the honor to be,

Sir,

Your most obedient servant,

Offg Secretary to Government.

B.V.N.

7. Mg 2-13-10 6

No 50440

Office of the Sanitary Commissioner
with the Government of Mysore,

Bangalore dated the 23rd May 1914.

D6944

From

R a o B a h a d u r
T.V. Arumugam Mudaliar Esq.,
Sanitary Commissioner with the
Government of His Highness the
Maharaja of Mysore, Bangalore.

To

D.M. Narasinga Rao Esq., B.A., B.L.,
Offg. Secretary to the Government of
His Highness the Maharaja of Mysore,
Gen. and Rev. Deptts., Bangalore.

Sir,

In reply to your letter No. 11446 Sany. 2-13-9 dated the 16th Instant, I have the honor to recommend the grant of scholarships to the following four candidates:

1. Mr. P.R. Subba Rao, 1st Class Sub Assistant Surgeon, Seringapatam Dispensary.

2. Mr. M. Varada Iyengar, 1st Class Sub Assistant Surgeon, Doddaballapur Dispensary.

3. S. Ramachandra Rao, 1st Class Sub Assistant Surgeon, Victoria Hospital, Bangalore.

4. Mr. Pesi Palanji Arsirvalla, 1st Class Sub Assistant Surgeon, General Hospital, Mysore.

I have the honor to be,
Sir,
Your most obedient servant,

T.V. Arumugam

Sanitary Commissioner.

P.H.

191

From The Sanitary Commissioner
in Mysore
Bangalore

To The Secretary to Govt
Genl & Rev Depts
Bangalore

Dated

Despatched

Received

General No. 5040
No.

Enclosure No.

Recommending the grant of
Scholarships to candidates
for B. My Examination

GPB—50,000—26-9-12

Department of Public Health in Mysore.

OFFICE OF THE SANITARY COMMISSIONER
WITH THE GOVT. OF MYSORE.

Bangalore, dated the *191*

No. 5527
Enc.

7. Mg 2-13-11

2748/

From

Rao Bahadur T. V. ARUMUGAM MUDALIAR. Esq., M.B.C.M.,
Sanitary Commissioner with the Government of
H. H. the Maharaja of Mysore, BANGALORE.

To

D.M. Narasinga Rao Esq., B.A., B.L.,
Secretary to the Government of
H. H. the Maharaja of Mysore, Genl. and Rev. Deptts.,
BANGALORE.

Sir,

In continuation of the correspondence ending with this office letter No. 5040 dated the 23rd Ultimo, I have the honor to state that according to information just now furnished to me the Licentiates of Medicine and Surgery of a University other than Bombay are not eligible for admission to the Examination for the Degree of the Bachlor of Hygiene. Of the 4 candidates to whom the grant of scholarships has been recommended only 2 viz. Messrs. S. Ramachandra Rao and Pesi Pallonji Arsirvalla are Licentiates of the Bombay University. These may be sent for training to Bombay and the other two who are Licentiates of Madras University sent to Madras. The course of study for the B.S.Sc. degree of Madras commences from the 1st of July next and extends over a period of 9 months. I enclose a copy of the revised syllabus recently received from the Principal, Medical College, Madras for perusal and obliging return when done with.

I have the honor to be,
Sir,
Your most obedient servant,

T.V. Arumugam

Sanitary Commissioner.

P.H.

Department of Public Health in Mysore

W 19/6

From

THE SANITARY COMMISSIONER
IN MYSORE, BANGALORE.

Abstract

To

THE SECRETARY TO GOVT.,
GEN. & REV. DEPTTS.
BANGALORE.

Rec'd on 23.6.14 at 4 p.m.

Dated

Despatched

Received

General No. 5527

No.

Enclosure No.

SUBJECT.

Recommending that 2 Candidates may be sent for training for the B.Sc degree Examination of the Madras University

D. O. No. 193 Encl

Pr IV Apr 2 4/6

8 D 5558

Office of the Sanitary Commissioner
with the Government of Mysore,

Bangalore 24th June 1914.

Dear Sir,

The accompanying syllabus may kindly be attached to this office letter No. 5527 dated the 19th Instant - to which it is an enclosure.

Yours sincerely,

M Srinivasaraya

To

A.V. Ramanathan Esq., B.A.,
Assistant Secretary to Government of Mysore, General & Revenue Departments.

University of Madras

Examination for the Degree of Bachelor of Sanitary Science

314. No candidate for the degree of Bachelor of Sanitary Science shall be admitted to examination until after the lapse of not less than twelve months after the date of having passed the examination for the degree of M.B. & B.S. or L.M. & S. in this University, or any degree in Medicine recognized by the University of Madras.

315. The course of study for the degree of B.S.Sc. shall extend over a period of not less than nine calendar months. The examination for the degree shall consist of two parts and shall be held in Madras once a year. Part I shall commence on the first Monday in April and Part II on the third Monday in April. Candidates shall not be permitted to proceed to Part II unless they have satisfied the Examiners in Part I. The examination in both parts will be oral, practical and written.

316. Applications for admission to the examination, in the form prescribed, must reach the Registrar not later than the 1st February preceding.

317. No candidate shall be admitted to either part of the examination until he has been registered. No candidate shall be registered for Part I until he has paid a fee of fifty rupees. No candidate shall be registered for Part II of the examination until he has paid a fee of fifty rupees. A candidate shall be registered afresh on each occasion on which he presents himself for examination in either Part I or Part II.

318. Candidates must produce certificates of having, after graduation in Medicine:—

(*a*) attended in a college affiliated to the University an advanced course of lectures in which instruction is given in Minor Sanitary Engineering, Public Health and Hygiene, and Bacteriology.

(*b*) Attended during a period of not less than four months in the Laboratories of a College affiliated to the University, courses in Chemistry, Bacteriology, Parasitology, and the Pathology of the Diseases of Animals transmissible to man. The instruction must be certified to have embraced the subjects hereinafter enumerated under 'Synopsis of Laboratory Instruction', and attendance must be certified to have extended to 240 hours, of which not more than half shall have been devoted to Practical Chemistry.

(*c*) Attended during three months, at least twice weekly, the practice of an approved Hospital for Infectious

Diseases at which opportunities are afforded for the study of methods of administration, i.e. admission, discharge, treatment of patients in the wards, and medical superintendence of the hospital generally.

(*d*) During six months, of which at least three shall be distinct and separate from the period of laboratory instruction required under (*b*), been diligently engaged in acquiring a practical knowledge of the duties, routine and special of Public Health administration under the supervision of a first class Medical Officer of Health in the actual performance of his duties and holding a diploma in Public Health.

(*e*) Obtained practical instruction in drawing and interpretation of plans during not fewer than ten meetings of one hour each.

These certificates shall be transmitted to the Registrar at least fourteen days before the date of examination.

Candidates who fail in either part of the Examination shall be required to produce evidence of such further study as shall be prescribed by the Examiners.

Candidates shall furnish two concise reports referring to any conditions affecting sanitation reported on by them while undergoing the above course. These should be in their own handwriting, and countersigned by their instructor.

319. Every candidate shall be examined in the following subjects :—namely

PART I

(*a*) *Physics, Geology, Meteorology, and Engineering.*

General principles of Physics, Geology, Meteorology, and Engineering, as applied to heating, cooling, lighting, ventilation, water-supply, drainage, sewage and sanitary construction generally. Elements of Meteorology and Climatology. Practical examination of water and sewage currents and ventilation of rooms and sewers. Use of meteorological instruments. Sketching and interpretation of plans of sanitary works.

(*b*) *Chemistry and Bacteriology including Parasitology.*

Characters, composition and analysis of soil, air, water, and sewage (including ground air and water) with detection of impurities. Characters, composition and adulteration of the more common foods, condiments and beverages. Diseased and putrid food. Disinfectants and methods of testing their power. Methods of bacteriology and bacteriological analyses, especially as applied to the investigation of pathogenic microbes, and to the examination of microbes in air, water, food, and soil. Characters of the pathogenic and the commoner non-pathogenic microbes. Intestinal and other animal parasites.

Practical. (See Synopsis of Laboratory Instruction.)

PART II

(*a*) *General Hygiene and Medicine in relation to Public Health.*

Duties of Medical Officers of Health and Port Surgeons Dietaries and their basis of construction. General sanitation of towns, villages, rural districts, houses, huts, and

hutting grounds, slaughter-houses, markets, public washing places, workshops, factories, cowsheds, dairies, stables, tanks, and river beds, hospitals, and schools. Ventilation, water-supply and sewage. Nuisances injurious to health, disposal of dead. Aetiology, pathology, symptomatology, prophylaxis, prevention and control of infectious diseases and of diseases directly arising from insanitary conditions and famine. Influence of soil, climate, and season in production of disease; effects of unwholesome water, air, diet, and of unhealthy occupations and housing. Diseases of animals in relation to health of man. Isolation, quarantine, disinfection, vaccination, prostitution.

Practical.—Examining and reporting on nuisances and sanitary conditions, etc., on houses, workshops, dairies, hospitals, etc., or localities. Noxious trades. The recognition of infective diseases and of dirt diseases.

(*b*) *Sanitary Law and Vital Statistics, and Vaccination.*

The sections or rules in the following relating to Sanitation and Vaccination:—

1. Madras District Municipalities Act, 1884, or any Act, regulations or rules amending the same.
2. Madras Local Boards Act, 1884, or any Act, regulations or rules amending the same.
3. Madras City Municipal Act, 1904, or any Act, regulations or rules amending the same.
4. Epidemic Diseases Act, 1897, or any Act, regulations or rules amending the same.
5. Indian Penal Code, 1860 (Nuisances and Adulteration of Food Stuffs) or any Act, regulations or rules amending the same.
6. Towns Nuisances Act, 1889, or any Act, regulations or rules amending the same.
7. Plague Regulations (Mofussil) or any Act, regulations or rules amending the same.
8. Plague Regulations (City) or any Act, regulations or rules amending the same.
9. Marine Plague Regulations or any Act, regulations or rules amending the same.
10. Civil Medical Code, Chapter XVII. Sanitation and sections 326, 443, and 690 relating to Vaccination.
11. Vaccination Code (revised).
12. Manual of Vaccination by Major Cornwall.
13. Cholera Rules in G.Os., Nos. 1536-M, dated September 9, 1896, 200-L, dated February 6, 1913, and 649-L, dated May 8, 1911.
14. The English Public Health Act of 1875 and all Acts amending the same.

Vital statistics relating to populations, birth, marriage and death-rate of communities; mortality and the influence on it of race, age, sex, occupation, housing, season, climate, social, and hygienic conditions, infectious diseases,

and migration. Life tables and interpretation of value of statistical facts.

Synopsis of Laboratory Instruction.

1. *Examination of Water.* (Portable mineral and sewage polluted)—mode of collection, physical characters, qualitative chemical tests, quantitative estimations of total solids, dissolved gases, carbonates chlorides, sulphates, nitrates, nitrites, phosphates, ammonia, alkalies, lime, magnesia, metals, organic matter, and hardness. Microscopical examination of deposit, mineral, vegetable and animal. Processes for softening and purifying water. Effect of filtration and other methods of treating water. Examination of sewage and effluents after treatment.
2. *Examination of Air.*—(Pure and polluted) physical characters,—barometric pressure, corrections of readings for altitude and temperature; wind, estimation of direction, velocity and pressure, temperature, humidity, estimation of rain-fall by various rain gauges, chemical characters, and estimation of carbon-dioxide (quantitative), sulphuretted hydrogen, nitrous acid, nitric acid (qualitative). Micro-organisms in dust, examination of ground air.
3. *Examination of Food.*—Condiments and beverages, nutritive value of dietaries. Qualitative and quantitative examination (chemical and microscopical), composition and adulterations of wheat, rice, and other cereals, bread, milk, tyre, butter, ghee, margarine cheese, sugar, confections, honey preserves, tea, coffee, cocoa, vinegar, lime-juice, pepper, ærated water, alcoholic liquors, tinned foods. Examination by the naked eye, by microscope, and by bacteriological methods of diseased and putrid food. Detection of poisons and antiseptics in food.
4. *Examination of Soil.*
5. *Bacteriology and Parasitology.*—Micro-organisms in relation to epidemic and other diseases. Preparation of media. Culture and recognition of pathogenic and chief non-pathogenic, aerobic and anaerobic bacteria. Methods of staining. Application of bacteriology to examination of water, air, soil, food, as stated above. Pathology and causation of diseases transmissible to man from other animals. Examination of animal parasites and their ova, and their detection in water, faeces, urine, etc.
6. *Disinfectants and Deodorisers.*—Chemical examination of the materials and determination of value of various disinfectants and different methods of disinfection.
7. *Ventilation.*—Determination of direction and strength of air currents and of effectiveness of different methods. Experiments with models. Diffusion of gases.
8. *Water Supply and Sewage.*—Volume and rate of water or sewage flow. Experiments with working models of various systems of water and sewage works, and drains.

9. *Framing of Reports and Analyses.*

320. The examination for the degree of B.S.Sc. shall be conducted in the order of time and subjects set forth in the following table:—

PART I

Days	Hours	Subjects	Marks
First day ...	10—1	Chemistry, Physics, Meteorology and Engineering (with drawing) written) ...	100
	2—5	Bacteriology and Parasitology (written)	100
Second day...	11—3	Practical Chemistry ...	150
Third day ...	10—3	Practical Bacteriology and Parasitology	150
	3—5	Oral — Chemistry, Physics, etc.	50
		Oral — Bacteriology and Parasitology ...	50

PART II

Days	Hours	Subjects	Marks
First day ...	10—1	Medicine and General Hygiene (written)	100
	2—4	Sanitary Law and Vital Statistics (written)	50
Second day...	...	Special Report under the direct supervision of an examiner ...	200
Third day ...	...	Oral — Medicine and General Hygiene ...	100
		Oral — Sanitary Law and Vital Statistics ...	50

321. Candidates failing to get one-half of the marks in any subject shall not pass.

The candidates shall be arranged in alphabetical order in two classes:—

The first, consisting of those who have obtained not less than seventy-five per cent of the aggregate number of marks.

The second, consisting of all others.

FRANCIS DEWSBURY, B.A., LL.B.,
Registrar.

S.P.C.K. PRESS, UNIVERSITY PRINTERS, MADRAS—1914

G.R.S. 11] 1913-14

GENERAL AND REVENUE SECRETARIAT.

(Emigration)

NOTES.

File No. 2-13

FILE HEADING.

Grant of scholarships for the study of Emigration.

From

No.	Dated	Received

Diary No.	Enclos.	Spare Copies.	Serial No.

BRIEF ABSTRACT OF LETTER.

NOTES AND ORDERS.

NOTES—First Sheet.

GPB—35,000—15-6-12

G. R. S. 12]

5641 6021

2

General and Revenue Secretariat.

File No. 2 of 1913-14

Serial No.	
7	3 From the Sanitary Commissioner, No 4184 dt 31.3.14 States that 6 qualified men in Sanitary science are necessary to meet the immediate needs of the Sanitary department 2 The Communication from the Sanitary Commr. regarding the grant of scholarships to the 2 Candidates studying for the B. Hy degree has, submitted to the Secretary on the 6th instant. 3 May the receipt of further information from the Sanitary Commr, as to the names of the 4 candidates who might be given scholarships be awaited SM 5-7 9.4.14 BE Yes. Am 15/4
8	4 From the Sanitary Commissioner, No 4426 dt 17.4.14 States that as the course of instructions for the B. Hy. degree has been organised, the four candidates to whom he has recommended the grant of scholarships may be deputed for training at Bombay. 5 The Sanitary Commr has not given the names of 4 candidates to whom scholarships have to be awarded. Draft calling for the same is submitted SM 5-7 22.4.14 (In the budget estimate for the year 1914-15, the Sanitary Commr has provided Rs 3420/- towards cost of scholarships & other charges for only 4 students to be sent to Bombay

NOTE—Contn. sheet.

GPB—60,000—7-11-13

order confirmed no JC 359 dt 29.7.14
9.7.8-14-67

4

G.R.S. 28]

Diary No. of letter replied to 7481

File No. 2-13
Serial No. 12

Proceedings of the Government of His Highness the Maharaja of Mysore

GENERAL AND REVENUE SECRETARIAT.
(Sanitary)

, the 191

READ—

Correspondence ending with letter No. 5527 dated the 19 June 1914, from the Sanitary Commissioner, stating that of the 4 candidates

Date of issue 1.7.14

Signed by Hrs N. Madhava Rao

ORDER THEREON. No.

noted in the margin, to whom the grant of scholarships for the study of sanitary science was recommended, the 1st two may be sent to Bombay for the study of

over.

1. Mr. S. Ramachandra Rao, 1st class Sub Asst. Surgeon, Victoria Hospital, Bangalore
2. Mr. Pesipalanji Narasimha, 1st class Sub Asst Surgeon, General Hospital, Mysore
3. Mr. P.R. Subba Rao, 1st class Sub Asst Surgeon Seringapatam Dispensary
4. Mr. M. Varadarajayya, 1st class Sub Asst Surgeon, Doddaballapur dispensary.

SUBJECT.

GPB—50,000—1-12-12

15

B. Sc degree examination and the other two to Madras for the study of B. S. Sc degree examination.

Order thereon, 9-11 Sanity 2-13 8.7.14.

Government are pleased to sanction the grant of a scholarship of Rs 40/- each, per mensem, for 9 months from July 1914, to Messrs P. R. Subbaiah and M. Varada Iyengar, 1st class Sub Assistant Surgeons for undergoing training for the B. S. Sc examination at Madras. The Candidates will also be given class and examination fees and also the cost of such books as may be certified to by the Director as necessary, as well as the usual travelling allowances.

2 The Candidates will not during the period of their training draw any portion of their pay. They will however be allowed to have a lien on their appointments in the Medical department and also be given the benefit of any leave that they are

G.R.S. 27]

GENERAL AND REVENUE SECRETARIAT.

(*Continuation Sheet draft form.*)

already entitled to

3. The Secretary General is requested to have the usual Covenant executed by the candidates

4. Separate orders will issue regarding the other provisions of the Secretary General.

Dated 30/6 Off. Secretary

The Secretary General

a Senior Surgeon

a Comptroller.

GPB—10,000—22-2-11

Department of Public Health in Mysore.

OFFICE OF THE SANITARY COMMISSIONER
WITH THE GOVT. OF MYSORE.

Bangalore, dated the 30 July *1914.*

No. 64
Enc. 1

D 182 — 7 442-13-13

From

Rao Bahadur T. V. ARUMUGAM MUDALIAR. Esq., M.B.C.M.,
Sanitary Commissioner with the Government of
H. H. the Maharaja of Mysore, BANGALORE.

To

D.M. Narasinga Rao Esq., B.A., B.L.,
Secretary to the Government of
H. H. the Maharaja of Mysore, Genl. and Rev. Deptts.,
BANGALORE.

Sir,

With reference to para 3 of Government Order No. 9-11 Sany. 2-13 dated the 1st July 1914, I have the honor to submit herewith for the approval of Government the form of covenant I would recommend for use by candidates sent for training in Sanitary Science, to qualify themselves as District Sanitary Officers. The form of covenant is similar to that for Sub Assistant Surgeons approved by Government in their Order No. 13139-40 Medl. 250-12-7 dated the 27th June 1914 and will, in anticipation of approval, be used in the case of Messrs. P.R. Subba Rao and M. Varada Iyengar who are to join the B.S.Sc. Class at Madras on the 6th Instant.

I have the honor to be,
Sir,
Your most obedient servant,

Sanitary Commissioner.

P.H.

Department of Public Health in Mysore

From

THE SANITARY COMMISSIONER
IN MYSORE, BANGALORE.

To

THE SECRETARY TO GOVT.,
GEN. & REV. DEPTTS.
BANGALORE.

Dated 31st July 14.
Despatched

Received

General No. 64
No.

Enclosure No. 1

SUBJECT.

Submitting for favor of approval the form of Covenant to be used by messrs P. R. Subbadas and M. Varada Iyengar.

COVENANT.

An agreement made..... day of..... 1914. Between..... .....herein after called the 1st Class Sub Assistant Surgeon of the one part, and the Government of His Highness the Maharaja of Mysore hereinafter called the Government of the other part.

Whereby it is agreed as follows:-

1. That the said 1st Class Sub Assistant Surgeon shall after passing the requisite examination serve the Government for a period of five years from the date of receiving the Diploma in Sanitary Science.

2. That during the said period of five years the said 1st Class Sub Assistant Surgeon serve the Government as 1st Class Sub Assistant Surgeon until such time as Government are able to find an appointment for him as District Sanitary Officer.

3. That the said 1st Class Sub Assistant Surgeon shall refund to the Government the whole of the amount received by him as stipend or scholarship from the Government on account of his College and Examination fees, books and instruments and traveling expenses and leave allowances ~~if any~~ in case he fails to prosecute his studies with due diligence or to duly qualify himself for the Degree in Sanitary Science,.or is dismissed from College for misconduct or other cause, or fails to attend and completely go through the full course of instruction prescribed by the University without sufficient cause (the Government being the sole Judge of what is " sufficient

19

cause ") or upon the completion thereof (if and when required to enter the service of Government as District Sanitary Officer fails to so enter, or having so entered fails to continue in the service during the said period of five years. / fails to serve Govt for the period of 5 years as stipulated in para 3

4. That the said 1st Class Sub Assistant Surgeon shall abide by all the rules and regulations for the time being in force in respect of Government stipendiary students.

In witness whereof the said..... doth set his hand and seal the day and year first above written.

Signed and sealed by the said ..... in the presence of

1.....

2.....

Sanitary Commissioner

20/1/14

G.R.S. 28]

File No. 2–13
Serial No. 15

Diary No. of letter replied to 182

Proceedings of the Government of His Highness the Maharaja of Mysore

GENERAL AND REVENUE SECRETARIAT.
(Sanitary)

, *the* 191 .

Date of issue 29.6.14

Signed by Hon'ble Srinivasaiya

READ—

Govt proc. No. 9-11. dated the 18th July 14
Sanc 2-13-12
sanctioning the grant of a scholarship of Rs 40/- each, per mensem, to Messrs P. R. Subba Rao and M. Virunda Iyengar

ORDER THEREON. No.

1st Class Sub Assistant Surgeons for undergoing training for the B.S. Sc, Examination at Madras

2 Letter No. 64 dated the 22nd July 14, from the Sanitary Commr, submitting over. for

SUBJECT.

6PB—50,000—4-12-12

21

for approval the form of Covenant to be executed by the candidates.

---

order thereon, 2148-50 Saintly 2-13. 9.7.8.14.

The form of Covenant received with the letter dated above is approved with slight modifications suggested by the Govt. Advocate. Govt. direct that the Covenants from the scholarship holders and their sureties be taken in the forms hereto appended.

Asst/Secretary.

19/8/14

The printing bureau.

Govt. Advocate

Accountant

22/8/14

22/8/14